

MONTHLY MEETING
Friday October 14, 2016
AT PACIFICON !
Marriott Hotel
2600 Bishop Dr, San Ramon
7:30pm - Salon E

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THIS MONTH'S MEETING... A QUIZ SHOW !

Join us Friday night October 14 at PACIFICON in Salon E at the Marriott Hotel for a light hearted contest...a quiz show about ham radio!

As panelists, we'll have Bob Heil, K9EID, Gordo West, WB6NOA and John Bigley, N7UR (ARRL Nevada Section Manager) answering questions from our moderator and the audience. Come on over and see if you can stump the experts. It's going to be a lot of fun!



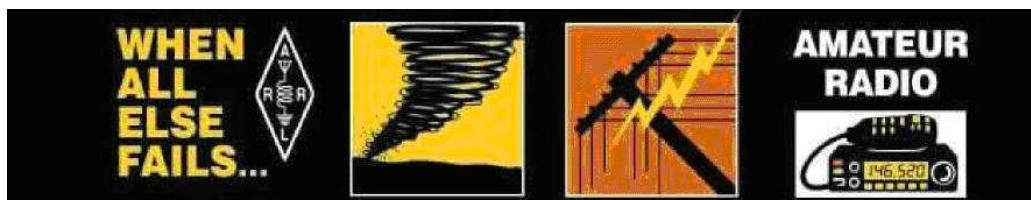
K9EID and WB6NOA



N7UR

Watch the PACIFICON 2016 Promotional Video produced by Randy Hall, K7AGE, on YouTube at:
<https://www.youtube.com/watch?v=zmJ86wvY4TU>

73, Vice President Will Dickson, WB6YGJ



MDARC elections are coming up soon!

President: Mike Patterson, N6JGA
Vice President: Larry Bradley, KK6QPE
Treasurer: Cathi Walton, KJ6YNO
Secretary: Dick Fletcher, AF9RF
Emergency Communications Coordinator:
Ron Bunch, W4FEK
Director: Terry Buxton, KK6KGX
Director: Janice Fujii, KG6VTD

All positions are open for additional nominations. Should any member wish to run for one of these offices, please contact Janice Fujii at jjfujii9@att.net.

73,

Janice Fujii, KG6VTD



When you purchase at Amazon dot com smile, a portion of your purchase is donated to our club.

Go to:
<https://smile.amazon.com/ch/23-7072059>

ALL MEMBERS ARE INVITED TO JOIN THE CLUB YAHOO GROUP.
DOWNLOAD FILES, INCLUDING *THE CARRIER* IN **FULL COLOR** AS WELL AS SHARE INFORMATION WITH THE MEMBERSHIP AT:

<http://groups.yahoo.com/group/mdarc>

Mount Diablo Amateur Radio Club W6CX
P.O. Box 23222 Pleasant Hill, CA 94523
(925) 288-1730

The Carrier is a monthly publication of the Mount Diablo Amateur Radio Club (MDARC). It is the policy of the editor to publish all material submitted by the membership provided such material is in good taste, relevant to amateur radio and of interest to MDARC members, and provided space is available.

President - Mike Patterson, N6JGA
Vice President - Will Dickson, WB6YGI
Secretary - Dick Fletcher, AF9RF
Treasurer - Cathi Walton, KJ6YNO

Technical Committee Chair
Jim Siemons, AF6PU

Directors At Large
Trevor Hall, WA6JAU Mitchell Boyce, W8DOD
Janice Fujii, KG6VTD Francis O'Leary, KF6FRJ

Emergency Coordinator - Ron Bunch, W4FEK

PACIFICON 2016
Chair: Misa Siemons, KJ6BUE
Registration: Tom Deeble, KA6SIP & Debbie Deeble
Treasurer: Jim Siemons, AF6PU
Secretary: Pete Harris, KE6ZIW
Web Page: Mike Patterson, N6JGA
Membership Chair - Tom Deeble, KA6SIP
mdarcmembership@mdarc.org

Website - David Schild, KK6CQX
Repeater Trustee - Jay Caldis, KT6Y
Education & Training Chair - John Primus, AF6RJ
License Testing - Larry Loomer, KI6LNB
Public Service - Pete Harris, KE6ZIW
Outreach Coordinator - Jim Siemons, AF6PU
Field Day Chair - Larry Loomer, KI6LNB
Refreshments: Elizabeth Styles, KG6HLV
Holiday Party - Misa Siemons, KJ6BUE
Trailer - Patrick Miller, KK6DBX
Vehicle - Lauren Styles, WA6CIE

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PRESIDENT'S QTC

MDARC Family:

Pacificon is here! I hope all of you will be there. Our annual conference is bigger and better than ever. For the first time, we'll have a General Class upgrade one-day course. Our registrations have surpassed last year's. Gordon West, WB6NOA and Bob Heil, K9EID will be back again this year. As always, we'll have our world-famous all-day antenna seminar, forums and seminars with world-class speakers; dozens of local, national and international vendors; non-profit exhibitors; a swap meet; one-day license classes; license

testing; kit assembly; a 24-hour-a-day special event station (hosted by the Palo Alto Amateur Radio Association); QSL card checking; a Wouff Hong ceremony; a top class banquet and much more. So don't miss it.

See <http://www.pacificon.org/> for all the details.

It's not too late to volunteer to help at Pacificon. There's a variety of things that need to be done and we never have enough people to do them. Please help us keep Pacificon one of the best ham radio conferences in the U.S.

Also, remember that our monthly Club meeting will NOT be at our usual location in Lafayette, nor our usual day. We'll have it at PACIFICON, in the San Ramon Marriott Hotel. Due to the nature of the calendar, it's a week early this month: **THIS Friday, Oct. 14 at 7:30 pm.** No official business this night; it's a time for fun. We'll have a "Ham Radio Quiz Show". As panelists, we'll have Bob Heil, Gordo West, and John Bigley (ARRL Nevada Section Manager) answering questions from our moderator and the audience. Dinner will be available for purchase in the room. Come on down and see if you can stump the experts.

I have the pleasure of announcing one of the most exciting things for the Club since I became a member some (mumble, mumble) years ago. MDARC is now the proud owner of a decommissioned Electronic News Gathering (ENG) van. Generously donated to us by KGO-TV in San Francisco, it includes a 47 foot pneumatic mast with a platform on top for holding multiple antennas; a built-in generator, inverter and shore-power port; air conditioning front and back; a rack for mounting equipment; an operator's station; and a lot more. See the article and photos in this newsletter. I can hardly wait to get started fixing this baby up.

Don't forget that next month at the November Club meeting is our annual election for the Board of Directors. The current list of nominees is provided in this newsletter, but you and others are welcome to throw your hat in the ring. If you would like to help guide MDARC and keep it the strong and vibrant club it is, please consider adding your name to the ballot.

Our Education Committee just completed an upgrade course for those wanting to get their Extra Class license. The test is this Thursday evening, the night before Pacificon starts, so we'll report the results at our November meeting.

The Club's annual Christmas Banquet will be held on Friday evening, December 2nd at Zio Fraedo's restaurant in Pleasant Hill. This is the same location as last year. Mark your calendar now, so you don't schedule any conflicts for that date. We'll get more details out in the coming few weeks, after we catch our breath from Pacificon.

We still a Public Service event left this year, a bike ride. Practice your net skills by working these events. See our Public Service web page at <http://www.mdarc.org/activities/public-service> for details.

As always, remember to shop on Amazon Smile at:
<https://smile.amazon.com/ch/23-7072059>.

SEE YOU AT PACIFICON!

73,

Mike Patterson, N6JGA
President

WELCOME NEW MEMBER !

Roger Hooten, KFOKB

The MDARC Board is excited to announce that we are now the proud owner of a decommissioned television station Electronic News Gathering (ENG) van. Generously donated to us by KGO-TV, the vehicle is a year 2000 Ford E-350 with – well, let's just say, more than a few miles on it. It comes to us with a lot of features that are perfect for us. Among them are:



- A pneumatic mast that extends to 47 feet above ground.
- The mast has a platform on top to allow mounting multiple antennas. The platform will rotate and tip via ground control.
- 4.5 KW 120 VAC Onan generator.
- 40 amp inverter.
- Shore power receptacle.
- Rack for mounting equipment.
- A steel platform above the roof for working on the extendable mast, mounting antennas and holding equipment.
- Several pre-cabled NMO antenna mounts on the roof platform.
- Operator position with countertop and swivel chair.
- Air conditioning front and back.
- Ethernet router, with installed cabling throughout the van.
- Printer.
- Space for equipment storage in back.

The van itself and the equipment above are all fully functional, in good working order and have been meticulously maintained. That said, as with any vehicle of this age, there are a number of things that need to be worked on.

This outstanding donation would not have been possible without the generosity of KGO-TV in San Francisco, especially ENG Field Operations Engineer Dick Eting; the diligent efforts of Alan Bowker, WA6DNR, retired KGO employee; and of Tim Barrett, K6BIV, who referred Alan to us. MDARC owes all of them a great deal of thanks.

Our Trailer Committee, chaired by Lauren Styles, WA6CIE, will be responsible for the vehicle itself; its maintenance, upgrading as needed and operation. As such, I'm renaming the committee to be the Vehicle Committee, to better reflect its expanding responsibilities.

The Technical Committee, with Jim Siemons, AF6PU, as Chair, will be responsible for any electronic equipment installed inside or on the vehicle. This will include radios, antennas, computers, computer networking equipment, etc.

Many of you know that our Club has many systems working on both peaks of Mt. Diablo; such as repeaters for 2 meters, 220 MHz, 440 MHz, D-Star, an APRS digipeater and an outstanding digital ATV system. Tim Barrett also has a top-notch DMR repeater there.

Several of us have a dream to make this Comm Van capable of communicating with all of those systems and more. We plan to add HF capability as well, for example. So we have a lot of work to do.

Lauren is planning a kick-off meeting of the Vehicle Committee immediately before the November Club general meeting, Nov. 18, starting at 6:30 PM at our regular meeting place, Our Saints Lutheran Church in Lafayette. If you would like to help us fulfill our dream and participate in the design, upgrade, maintenance and/or operation of the MDARC Comm Van, see Lauren at Pacificon (if you can catch up with him) and definitely plan to be at the November meeting.

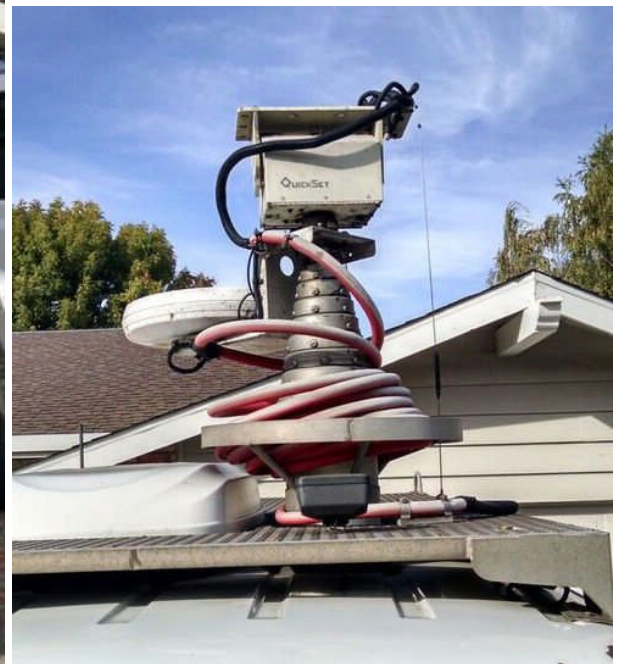
It is indeed an exciting time to be a ham!



MDARC's NEW RIDE



**Former KGO-TV
News Van goes
from TV star to
D-STAR !**



GREAT CALIFORNIA SHAKE-OUT

OCTOBER 20TH AT 10:20 AM

The Mt. Diablo Amateur Radio Club will join 102 other volunteer radio groups state-wide to participate in the 2016 Great California Shake-Out Earthquake Preparedness Exercise. Club members and other local hams are encouraged to take a 10 minute break from their job on Thursday, October 20TH, at 10:20 AM and check in on the 147.060Mhz W6CX repeater. Larry Loomer, KI6LNB will be the net control station.

The exercise should take 5 to 10 minutes to complete and what a great way to demonstrate amateur radio to your boss, coworkers and friends.

Please check in with your location, and “damage assessment”, as well as response capabilities of your station. To check-in, give your call-sign, and wait to be acknowledged by net control.

A typical check in might sound like this: (after acknowledgement by net control) “This is N6JGA, Mike, in Walnut Creek, minimal local damage, available for mobile response with 2M/440/HF mobile and 2M/440 portables. N6JGA standing by.”



****** Put a reminder on your work calendar and ask your supervisor for the time and to join you ******

Last year, more than 43 million people participated in ShakeOut. Most held their drills on International Shake-Out Day, the third Thursday of October each year.

Visit www.ShakeOut.org to learn more and register your participation today!

73, Larry Loomer, KI6LNB

Amateur Radio Support for the Walnut Festival Twilight Parade September 17, 2016

Wow! The Walnut Festival Twilight Parade is always an exhilarating and energy filled spectacle, with the sounds of multiple marching bands reverberating through Walnut Creek's narrow North Main Street, many spirited performing youth groups, and a host of other entertaining and inspiring community groups taking part. This year's Parade on the evening of September 17, 2016, was one of the best. As part of the Mount Diablo Amateur Radio Club's ham radio public service program, the Parade was supported by an excellent team of eight ham radio operators spread out over the Parade area, providing communications for event officials to help with the pre-start staging, and with the logistics and on-the-fly running of the actual parade. Thousands of local residents packed the streets to watch the activities.

A parade such as this, in a crowded urban setting, presents a noisy, hectic, and sometimes chaotic environment - with many electromagnetic, audio and physical challenges for radio communications. This team of hams distinguished itself with its capable and steady communications despite these challenges, and with its flexibility in taking on last minute changes in assignment and circumstances.

In addition to dealing with the "more routine" challenges during the event, there were two incidents that occurred that particularly distinguished this team of hams, and the role of ham radio in community public service events:

1. In the crowded area around the end point of the Parade route one of the high-ranking Parade Officials suffered a rather dramatic and sudden fall, resulting in some significant facial and possible head injuries. The alert ham who was close to the official when this occurred immediately got on the radio to report this and state the need for emergency medical assistance. Another ham quickly telephoned 911 to ask for such help, and an EMT team arrived within a couple of minutes. Other members of the ham team became involved in facilitating access of the EMT operators to the injured official. As the injured official's immediate needs were being tended to, other hams helped in the communication necessary to find a substitute for the injured official so that important Parade functions could continue.

2. During the Parade, the distressed parents of a 15 year old, possibly autistic young girl alerted one of our hams that they had lost their daughter at the end of the Parade. She was a marching participant in the Parade, with a distinctive uniform, and was supposed to find them at the end of the route. She had not done so. A call for look-out for the young girl was put out over the ham radio simplex frequency that the radio team was using. The hams began actively looking for her. The parents were encouraged to also continue looking for their daughter while remaining in contact with the radio team in case she was found. Some time went by and the parents became increasingly worried. Thankfully, about 20-30 minutes later one of the hams, at the Parade Start location, visibly identified the young girl. Though her communication skills appeared limited the ham told her that her parents were urgently looking for her. She gave him a thumbs-up sign of relief. While the ham stayed with her, the parents navigated backward through the crowded streets of the entire Parade Route to reach her. There was a happy and relieved reunion.

This was quite an event, quite a night's work for the ham radio team, and a good night for ham radio public service!

Note: the outstanding members for this event's ham radio team are as follows:

Barry Isseks, K6ZA; Larry Bradley, KK6QPE; Terry Buxton, KK6KGX; Dave Messerschmitt, KK6KFQ; Larry Loomer, KI6LNB; Herbert Salomon, KK6YZE; Jim "Sharky" Turmbull, WW1ACE; Pete Harris, KE6ZIW. This was the first ham radio public service event for two of these hams.

Got Drugs?

Turn in your unused or expired
medication for safe disposal

Saturday, October 22nd, 10 a.m. – 2 p.m.

ANTIOCH POLICE DEPT 300 L STREET

BLACKHAWK CAR COLLECTION
1092 EAGLES NEST PL DANVILLE

BRENTWOOD POLICE DEPT 9100 BRENTWOOD BLVD

DANVILLE POLICE DEPT 510 LA GONDA WAY

DUBLIN POLICE DEPT 100 CIVIC PLAZA

HAYWARD POLICE DEPT 300 W WINTON AVE

LAFAYETTE POLICE DEPT 3675 MT DIABLO BLVD

LIVERMORE POLICE DEPT 1110 SOUTH LIVERMORE AVE

MARTINEZ: CONTRA COSTA COUNTY SHERIFF 1980 MUIR RD

ORINDA POLICE DEPT 22 ORINDA WAY

RICHMOND: CONTRA COSTA COUNTY SHERIFF
BAY STATION 5555 GIANT HIGHWAY

SAN LEANDRO POLICE DEPT
PRAISES OF ZION CHURCH 1395 BANCROFT AVE

SAN RAMON POLICE DEPT 2401 CROW CANYON RD

Visit www.dea.gov
or call 800-882-9539
for a collection
site near you

ENOUGH!
LET'S SAVE LIVES

*On September 27, 2014, DEA
collected over 20 TONS of
unwanted medications in just
a four hour period from Kern
County north to the Oregon
border.*

“Prescription drug abuse is a huge problem and this is a great opportunity for folks around the country to help reduce this threat. Please clean out your medicine cabinets and make your home safe from drug theft and abuse.”
— Chuck Rosenberg, Acting DEA Administrator

For more
information,
please visit
www.dea.gov

HAM RADIO OUTLET

14 STORE BUYING POWER!

ICOM



IC-7600 | All Mode Transceiver

- 100W HF/6m Transceiver, gen cov. receiver • Dual DSP 32 bit • Three roofing filters- 3, 6, 15kHz • 5.8 in WQVGA TFT display • Hi-res real time spectrum scope



IC-7200 | HF Transceiver

- 160-10M • 100W • Simple & tough with IF DSP • AGC Loop Management • Digital IF Filter • Digital Twin PBT • Digital Noise Reduction • Digital Noise Blanker • USB Port for PC Control



IC-7100 | All Mode Transceiver

- HF/50/144/430/440 MHz Multi-band, Multi-mode, IF DSP • D-STAR DV Mode (Digital Voice + Data) • Intuitive Touch Screen Interface • Built-in RTTY Functions



ID-5100A | VHF/UHF Dual Band Digital Transceiver

- Analog FM/D-Star DV Mode • SD Card Slot for Voice & Data Storage • 50W Output on VHF/UHF Bands • Integrated GPS Receiver • AM Airband Dualwatch • FM Analog/DV Repeater List Function

ID-51A | VHF/UHF Dual Band Transceiver

- 5/2.5/1.0/0.5/0.1W Output • RX: 0.52-1.71, 88-174, 380-479 MHz** • AM/FM/FM-N/WFM/DV • 1304 Alphanumeric Memory Chls • Integrated GPS • D-STAR Repeater Directory • IPX7 Submersible



KENWOOD



TS-590SG | HF/50MHz Transceiver

- Equipped with 500 Hz/2.7 kHz roofing filter as standard • ALC derived from TS-990S eliminating spike issues • Antenna output function (shared with DRV connector) • CW - morse code decoder function



TM-D710G | 2M/440 Dualband

- V-V/V+U/U+U operation • Built-in GPS • Built-in TNC for APRS & DX-Cluster operation • 50W 2M & UHF • 1,000 memories • Dual receive • Green or amber backlight colors • Latest APRS firmware w/new features • Sky Command II remote functions



TM-V71A | 2M/440 DualBand

- High RF output (50W) • Multiple Scan • Dual receive on same band (VxV, UxU) • Echolink® memory (auto dialer) • Echolink® Sysop mode for node terminal ops • Invertible front panel • Choice of green/amber for LCD panel • 104 code digital code squelch



TM-281A | 2 Mtr Mobile

- 65 Watt • 200 Memories • CTCSS/DCS • Mil-Std specs • Hi-quality audio

TH-F6A | 2M/220/440

- Dual channel receive • .1 - 1300 MHz (cell blocked) RX • FM, AM, SSB • 5W 2M/220/440 TX, FM • 435 Memories • Li-Ion Battery



YAESU
The radio



FT-991 | HF/50MHz/2M/440 Transceiver

- 160 M-440MHz - SSB/CW/FM/C4FM Digital/AM/RTTY/PSK • 100 W (2M/440: 50 Watts) • 3.5" TFT full-color touch panel operation • High speed spectrum scope • Roofing filters: 3kHz & 15kHz • 32-bit high speed floating point IF DSP



FTDX1200 | 100W HF + 6M Transceiver

- Triple Conversion Receiver With 32-bit Floating Point DSP • 40 MHz 1st IF with selectable 3 kHz, 6kHz & 15 kHz Roofing Filters • Optional FFT-1 Supports AF-FFT Scope, RTTY/PSK31 Encode/Decode, CW Decode/Auto Zero-In • Full Color 4.3" TFT Display



FT-450D | A100W HF + 6M Transceiver

- 100W HF/6M • Auto tuner built-in • DSP built-in • 500 memories • DNR, IF Notch, IF Shift



FTM-400DR | 2M/440 Mobile

- Color display-green, blue, orange, purple, gray • GPS/APRS • Packet 1200/9600 bd ready • Spectrum scope • Bluetooth • MicroSD slot • 500 memory per band

FT-60R | 2M/440 5W HT

- Wide receiver coverage • AM air band receive • 1000 memory channels w/alpha labels • Huge LCD display • Rugged die-cast, water resistant case • NOAA severe weather alert with alert scan



5 Ways to Shop!

- RETAIL LOCATIONS - Store hours 10:00AM - 5:30PM - Closed Sunday
- PHONE - Toll-free phone hours 9:30AM - 5:30PM
- FAX - All store locations
- ONLINE - WWW.HAMRADIO.COM
- MAIL - All store locations

ANAHEIM, CA
(800) 854-6046

OAKLAND, CA
(877) 892-1745

SUNNYVALE, CA
(877) 892-1749

PORTLAND, OR
(800) 765-4267

PHOENIX, AZ
(800) 559-7388

WOODBIDGE, VA
(800) 444-4799

PLANO, TX
(877) 455-8750

BURBANK, CA
(877) 892-1748

SAN DIEGO, CA
(877) 520-9623

NEW CASTLE, DE
(800) 644-4476

DENVER, CO
(800) 444-9476

ATLANTA, GA
(800) 444-7927

SALEM, NH
(800) 444-0047

ONLINE STORE
WWW.HAMRADIO.COM

New Store!

Contact HRO for promotion details. Toll-free including Hawaii, Alaska and Canada. Call will be routed to the nearest store. All HRO 800-lines can assist you. If the first line you call is busy, you may call another. AZ, CA, CO, GA, VA residents add sales tax. Prices, specifications and descriptions subject to change without notice.



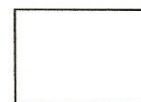
The Carrier

Newsletter of the Mt. Diablo Amateur Radio Club

P.O. Box 23222

Pleasant Hill, CA 94523

www.mdarc.org



FIRST CLASS

THIS MONTH...



Affiliated
Club

<https://www.facebook.com/mdarc.org>

W6CX Nets

Monday 7:00 pm Washington High School Net 147.060+

Monday 8:00 pm SATERN Net 147.060+

Thursday 7:30 pm MDARC Club Net 147.060+

Thursday 8:00 pm Amateur Television Net 147.060+

Tuesday 7:30 pm Fat City 10 meter USB/CW Net 28.420 MHz

FM 147.060 MHz + / PL 100Hz - EchoLink: W6CX-R /133896, IRLP: 3057
224.780 MHz - / PL 77Hz 441.325 MHz + / PL 100Hz

D-STAR 145.000 offset plus 2.5 MHz

<https://w6cx.dstargateway.org/> Digital ATV Output 1244.500

Digital ATV Input 1292.500

ATV Inputs: 1289.25 MHz AM; 1270.000 FM pl 192.8 915.0 AM 427.0 AM

ATV Internet Stream: <http://www.w6cxatv.net/live>

Contra Costa County Emergency Communications Nets

Every Thursday

<http://www.coco-races.org/meetings/nets/>

6:35 pm HF Countywide 3.893 MHz LSB

6:45 pm West County 145.110-- (82.5 PL)

7:00 pm Central County 145.680 Simplex

7:00 pm East County 146.535 Simplex

7:00 pm South County 146.355+ (77.0 PL)

7:20 pm Countywide 145.490-- (107.2 PL)

or 147.735+ (107.2 PL)

or 145.410 -- (107.2 PL)

Concord Auxiliary Radio Emergency Service (CARES)

Wednesday 8:00pm 147.405 Simplex

October and November 2016

Friday October 14, 2016

7:30pm

Club Calendar

**MDARC General Meeting - at PACIFICON ! Salon E
Marriott Hotel 2600 Bishop Drive, San Ramon**

Saturday November 5, 2016

8:00 am

MDARC Technical Committee
Environmental Center, 2581 Harbor Street, Pittsburg

Monday November 7, 2016

7:30pm

MDARC Board Meeting
Black Bear Restaurant, 700 Bancroft Avenue, Walnut Creek

Friday November 18, 2016

7:30pm

MDARC General Meeting - Our Saviors Lutheran Church
1035 Carol Lane, Lafayette